

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	("5513847" "5997405" "6146283"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 13:23
S2	403	463/3.CCLS. or 463/53-54.CCLS. or 463/56-57.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 13:24
S3	343	434/252.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 13:24
S4	1873	473/143.CCLS. or 473/151.CCLS. or 473/207-217.CCLS. or 473/219. CCLS. or 473/131.CCLS. or 473/409.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 13:26
S5	2597	273/108.2.CCLS. or 273/108.21. CCLS. or 273/108.5.CCLS. or 273/109.CCLS. or 273/119R.CCLS. or 273/120A.CCLS. or 273/129R. CCLS. or 273/129K.CCLS. or 273/317.2.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 13:28
S6	5088	S1 or S2 or S3 or S4 or S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 13:28
S7	5	"761145".AP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 16:53

## EAST Search History

S8	1	S7 and unique	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 16:53
S9	6	("5513847" "5997405" "6146283"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:06
S10	410	463/3.CCLS. or 463/53-54.CCLS. or 463/56-57.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:06
S11	344	434/252.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:06
S12	1894	473/143.CCLS. or 473/151.CCLS. or 473/207-217.CCLS. or 473/219. CCLS. or 473/131.CCLS. or 473/409.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:06
S13	2600	273/108.2.CCLS. or 273/108.21. CCLS. or 273/108.5.CCLS. or 273/109.CCLS. or 273/119R.CCLS. or 273/120A.CCLS. or 273/129R. CCLS. or 273/129K.CCLS. or 273/317.2.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:06
S14	5118	S9 or S10 or S11 or S12 or S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:06

## EAST Search History

S15	3106	S14 and (target or ball or (golf near2 ball))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:06
S16	1325	S15 and ((golf\$club) or (golf near2 club))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:07
S17	179	S16 and (rotator or detector or encoder or emitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:12
S18	1232	S16 and (support or structure or body or housing or stand or base or member)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:09
S19	872	S18 and (guide or arm or constraint or beam or bar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:06
S20	139	S19 and (rotator or detector or encoder or emitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:18
S21	128	S20 and (rotat\$3 or orient or orientation or turn\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:13

## EAST Search History

S22	107	S21 and ((axis near2 rotation) or axis or orbit or (horizontal near2 orbit) or vertical or horizontal or (vertical near2 axis))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:14
S23	105	S22 and (speed or detect\$3 or measur\$3 or (elaps\$3 near2 time) or time or velocity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:16
S24	91	S23 and (stri\$3 or hit or hitting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:17
S25	77	S24 and (distance or travel or travelling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 18:17
S26	1926332	target or ball or (golf near2 ball)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:08
S27	21872	S26 and (golf\$club or (golf near2 club))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:09
S28	16835	S27 and (support or structure or body or housing or stand or base or member)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:35

## EAST Search History

S29	6956	S28 and (guide or arm or constraint or beam or bar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:36
S30	606	S29 and (rotator or detector or encoder or emitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:46
S31	509	S30 and (rotat\$3 or orient or orientation or turn\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:51
S32	408	S31 and ((axis near2 rotation) or axis or orbit or (horizontal near2 orbit) or vertical or horizontal or (vertical near2 axis))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:52
S33	404	S32 and (speed or detect\$3 or measur\$3 or (elaps\$3 near2 time) or time or velocity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:52
S34	330	S33 and (strik\$3 or hit or hitting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:54
S35	290	S34 and (distance or travel or travelling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:53

## EAST Search History

S36	1432201	S26 and (support or structure or body or housing or stand or base or member)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:35
S37	722103	S36 and (guide or arm or constraint or beam or bar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:36
S38	127416	S37 and (rotator or detector or encoder or emitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:46
S39	108266	S38 and (rotat\$3 or orient or orientation or turn\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:51
S40	77459	S39 and ((axis near2 rotation) or axis or orbit or (horizontal near2 orbit) or vertical or horizontal or (vertical near2 axis))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:52
S41	77004	S40 and (speed or detect\$3 or measur\$3 or (elaps\$3 near2 time) or time or velocity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:52
S42	60263	S41 and (distance or travel or travelling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:53

## EAST Search History

S43	16804	S42 and (striking or hit or hitting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:54
S44	15268	S43 and (motion or move or moved or moving)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:02
S45	1926332	target or ball or (golf near2 ball)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:02
S46	1432201	S45 and (support or structure or body or housing or stand or base or member)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:02
S47	722103	S46 and (guide or arm or constraint or beam or bar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:02
S48	127416	S47 and (rotator or detector or encoder or emitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:02
S49	108266	S48 and (rotating or orient or orientation or turn)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:02

## EAST Search History

S50	77459	S49 and ((axis near2 rotation) or axis or orbit or (horizontal near2 orbit) or vertical or horizontal or (vertical near2 axis))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:02
S51	77004	S50 and (speed or detect\$3 or measur\$3 or (elaps\$3 near2 time) or time or velocity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:02
S52	60263	S51 and (distance or travel or travelling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:02
S53	16804	S52 and (strik\$3 or hit or hitting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:02
S54	15848	S53 and (motion or mov\$3 or movement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:08
S55	646	S54 and golf	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 21:21
S56	2	"5997405".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 16:00



## EAST Search History

S57	0	S56 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 16:00
S58	1	S56 and control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 16:01
S59	0	S56 and controller	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 16:01
S60	0	S56 and error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 16:26
S61	2	"5351951".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:49
S62	1	S61 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:39
S63	2	"4932660".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:31

## EAST Search History

S64	0	S63 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:31
S65	2	"4251077".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:33
S66	0	S65 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:33
S67	2	"5718639".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:34
S68	0	S67 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:34
S69	2	"5056790".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:35
S70	0	S69 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:35

## EAST Search History

S71	2	"5634855".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:36
S72	0	S71 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:36
S73	3	"3601408".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:37
S74	0	S73 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:37
S75	2	"20060128489"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:39
S76	1	S75 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:51
S77	2	"5255920".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:43

## EAST Search History

S78	0	S77 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:43
S79	2	S77 and (processor or microprocessor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:46
S80	1	S75 and error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:51
S81	0	("2006/0128489").URPN.	USPAT	OR	ON	2007/08/10 19:57
S82	6	("5513847" "5997405" "6146283").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:05
S83	410	463/3.CCLS. or 463/53-54.CCLS. or 463/56-57.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:05
S84	344	434/252.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:05
S85	1894	473/143.CCLS. or 473/151.CCLS. or 473/207-217.CCLS. or 473/219.CCLS. or 473/131.CCLS. or 473/409.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:05

## EAST Search History

S86	2600	273/108.2.CCLS. or 273/108.21.CCLS. or 273/108.5.CCLS. or 273/109.CCLS. or 273/119R.CCLS. or 273/120A.CCLS. or 273/129R.CCLS. or 273/129K.CCLS. or 273/317.2.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:05
S87	5118	S82 or S83 or S84 or S85 or S86	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:05
S88	3106	S87 and (target or ball or (golf near2 ball))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:05
S89	1325	S88 and ((golf\$club) or (golf near2 club))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:05
S90	1232	S89 and (support or structure or body or housing or stand or base or member)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:05
S91	872	S90 and (guide or arm or constraint or beam or bar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:05
S92	59	S91 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:08

## EAST Search History

S93	0	S61 and error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 20:39
S94	2	"5997405".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:04
S95	0	S94 and notational	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:04
S96	2	S94 and distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:43
S97	1	S94 and control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:43
S98	2	"5351951".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:49
S99	0	S98 and error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:50

## EAST Search History

S10 0	2	S98 and compar\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:02
S10 1	1	S98 and output	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:18
S10 2	1	S98 and resistance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:26
S10 3	0	S98 and calculate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:26
S10 4	0	S98 and adjust	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:32
S10 5	1	S98 and adjust\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:49
S10 6	1	S94 and direction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11.13:49

## EAST Search History

S10 7	0	S98 and direction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:55
S10 8	2	"5225920".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:55
S10 9	2	S108 and direction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:55
S11 0	0	"920091.AP"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:57
S11 1	2	"5255920".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:57
S11 2	1	S111 and direction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:57
S11 3	0	S98 and quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:10



## EAST Search History

S11 4	3	"4014552".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:11
S11 5	0	S114 and quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:11
S11 6	0	S115 and direction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:12
S11 7	2	S114 and direction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:32
S11 8	0	S98 and bridge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:32
S11 9	0	S98 and h\$bridge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:33
S12 0	0	S111 and h\$bridge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:33

## EAST Search History

S12 1	0	S94 and h\$bridge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:33
S12 2	0	S94 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:33
S12 3	1	S98 and motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:47
S12 4	0	S98 and home	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:47
S12 5	0	S98 and restor\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:47
S12 6	2	S98 and position\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 14:48
S12 7	6	"5255920".PN. or "5351951".PN. or "5997405".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 21:47

## EAST Search History

S12 8	63	("1579294"   "1690158"   "1795732"   "1804040"   "1976405"   "2510266"   "2529771"   "2839853"   "3383921"   "3452990"   "3731926"   "3815922"   "4014552"   "4014553"   "4023809"   "4092027"   "4113257"   "4120502"   "4125230"   "4139197"   "4429880"   "4496156"   "4573687"   "4609197"   "4655460"   "4660835"   "4662461"   "4662639"   "4861035"   "4927154"   "4936584"   "4958836"   "4971326"   "5035432"   "5054786"   "5056790"   "5108107"   "5121923"   "5178393"   "5255920"   "5286028"   "5513847"   "D248685"   "D340964"   "D349937").PN. OR ("5997405"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/11 21:48
S12 9	23	("3344729"   "3395571"   "3638295"   "4070022"   "4122593"   "4128242"   "4415156"   "4555112"   "4900025"   "5040279"   "5094101"   "5163681").PN. OR ("5351951").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/11 21:48
S13 0	24	("3406571"   "3738660"   "4014522"   "4630829"   "4844469").PN. OR ("5255920"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/11 21:48
S13 1	107	S128 or S129 or S130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 21:48

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	50	(US-20050119063-\$ or US-20050261076-\$ or US-20030054896-\$).did. or (US-4334684-\$ or US-5707301-\$ or US-5320355-\$ or US-5785604-\$ or US-4251077-\$ or US-4826174-\$ or US-4921254-\$ or US-5551924-\$ or US-5716286-\$ or US-5818036-\$ or US-6383087-\$ or US-6506123-\$ or US-5255921-\$ or US-5333873-\$ or US-5904625-\$ or US-4932660-\$ or US-5478077-\$ or US-5306013-\$ or US-4368888-\$ or US-5478078-\$ or US-6213887-\$ or US-7118489-\$ or US-5575724-\$ or US-4997189-\$ or US-5441274-\$ or US-6080070-\$). did. or (US-4754976-\$ or US-4872684-\$ or US-4872687-\$ or US-4898389-\$ or US-5344141-\$ or US-5383664-\$ or US-5415408-\$ or US-5499817-\$ or US-5580058-\$ or US-5640777-\$ or US-5707296-\$ or US-5725439-\$ or US-5792003-\$ or US-5800279-\$ or US-5810675-\$ or US-5830081-\$ or US-5885165-\$ or US-6048273-\$ or US-6071202-\$ or US-6117020-\$ or US-6129639-\$). did.	US-PGPUB; USPAT	OR	ON	2007/05/27 23:15

## EAST Search History

S2	50	(US-20050119063-\$ or US-20050261076-\$ or US-20030054896-\$).did. or (US-4334684-\$ or US-5707301-\$ or US-5320355-\$ or US-5785604-\$ or US-4251077-\$ or US-4826174-\$ or US-4921254-\$ or US-5551924-\$ or US-5716286-\$ or US-5818036-\$ or US-6383087-\$ or US-6506123-\$ or US-5255921-\$ or US-5333873-\$ or US-5904625-\$ or US-4932660-\$ or US-5478077-\$ or US-5306013-\$ or US-4368888-\$ or US-5478078-\$ or US-6213887-\$ or US-7118489-\$ or US-5575724-\$ or US-4997189-\$ or US-5441274-\$ or US-6080070-\$). did. or (US-4754976-\$ or US-4872684-\$ or US-4872687-\$ or US-4898389-\$ or US-5344141-\$ or US-5383664-\$ or US-5415408-\$ or US-5499817-\$ or US-5580058-\$ or US-5640777-\$ or US-5707296-\$ or US-5725439-\$ or US-5792003-\$ or US-5800279-\$ or US-5810675-\$ or US-5830081-\$ or US-5885165-\$ or US-6048273-\$ or US-6071202-\$ or US-6117020-\$ or US-6129639-\$). did.	US-PGPUB; USPAT	OR	ON	2007/08/09 18:02
S3	50	S2 and (target or ball or (golf near2 ball))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:17
S4	29	S3 and (golf\$club or (golf near2 club))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:28
S5	8	S4 and (rotator or detector or encoder or emitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:19

## EAST Search History

S6	8	S5 and (guide or arm or constraint or beam or bar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:20
S7	8	S6 and (support or structure or body or housing or stand or base or member)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:21
S8	6	S7 and (rotat\$3 or orient\$3 or orientation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:24
S9	8	S7 and (rotat\$3 or orient\$3 or orientation or turn\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:24
S10	8	S9 and ((axis near2 rotation) or axis or orbit or (horizontal near2 orbit) or vertical or horizontal or (vertical near2 axis))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:28
S11	7	S10 and (speed or velocity or detect\$3 or measur\$3 or time or (elaps\$3 near2 time))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:26
S12	7	S11 and (strik\$3 or hit or hitting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:27

## EAST Search History

S13	7	S12 and (distance or travel or travelling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:27
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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	9	((DAVID) near2 (TUPMAN)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/27 23:08
S2	1	((DANIEL) near2 (HORSTMAN)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/27 23:08
S3	1	((MATTHEW) near2 ("JAYNES CANDY")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/27 23:09
S4	11	((SCRATCH) near2 (LIMITED OR LTD\$)).AS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/27 23:08
S5	11	((DAVID) near2 (TUPMAN)).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/27 23:08
S6	2	((DANIEL) near2 (HORSTMAN)). INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/27 23:08
S7	1	((MATTHEW) near2 ("JAYNES CANDY")).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/27 23:09
S8	19	S4 or S5 or S6 or S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/27 23:09



## EAST Search History

S9	12	((SCRATCH) near2 (LIMITED OR LTD\$)).AS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:15
S10	12	((DAVID) near2 (TUPMAN)).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:15
S11	2	((DANIEL) near2 (HORSTMAN)).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:15
S12	1	((MATTHEW) near2 ("JAYNES CANDY")).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:15
S13	21	S9 or S10 or S11 or S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:15
S14	1	S13 and (target.CLM. or ball.CLM. or (golf.CLM. near2 ball.CLM.))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:15